$$V_c(t) = V_o \cdot exp(-t/2)$$

 $i_R(t) = -i_c(t) = \frac{V_o}{R} \cdot exp(-t/2)$

$$Pr = \frac{V_0^2}{R} \cdot exp(-2t/2)$$

$$W(t) = \int_{0}^{t} Pr(t)dt = \frac{C \cdot V_0^2}{2} \cdot \left[1 - exp(-b/8) \right]$$

$$C_{c}(t) = C \cdot \frac{dV(t)}{dt}$$

$$C_{c} = \frac{1}{2} CV^{2}$$

$$V_{L}(t) = \dot{U}_{0} \cdot e^{\lambda} P(-t/2)$$

$$E_{L} = \frac{1}{2} L \dot{U}_{0}^{2}$$

$$W(t) = \int Pr(t)dt = \frac{L_1 C^2}{2} \cdot \left[1 - e^{x} P(-2t/2) \right]$$

$$\dot{l}(t) = \dot{l}(\infty) + (\dot{l}(0) - \dot{l}(\infty)) \cdot e^{x} \rho(-t/8)$$

Seri BLC (Dogal)

$$c = \frac{R}{2L}, w_0 = \frac{1}{\sqrt{LC}}$$

a>Wo

a=Wo

a < Wo

Paralel RLC (Doğul)

$$\alpha = \frac{1}{2RC}$$
, $W_0 = \frac{1}{\sqrt{LC}}$

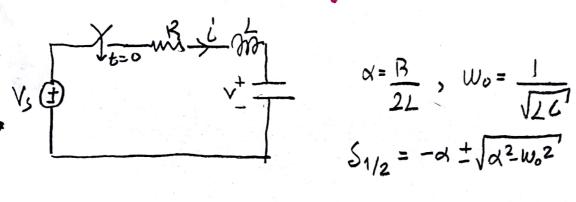
$$V(t) = e^{-\alpha t} \left[B_1. \cos \omega_{ab} + B_2. \sin \omega_{ab} \right]$$

$$W_d = \sqrt{W_0^2 a^2}$$

$$V(t) = (A_1t + A_2). e^{-\alpha t}$$

$$V(t) = A_1 e^{S_1 t} + A_2 e^{S_2 t}$$

Seri BLC (Basamak)



$$\alpha = \frac{B}{2L}$$
, $W_0 = \frac{1}{\sqrt{LC}}$
 $S_{1/2} = -\alpha + \sqrt{\alpha^2 - W_0^2}$

$$W_d = \sqrt{W_0^2 - a^2}$$

Paralel BLC (Basamak)

$$I_{s} = \frac{1}{2RC}, W_{o} = \frac{1}{\sqrt{LC}}$$

$$\alpha = \frac{1}{2RC}, W_o = \frac{1}{\sqrt{LC}}$$

$$S_{1h} = -\alpha + \sqrt{d^2 - W_o^2}$$

$$W_d = \sqrt{W_0^2 - a^2}$$